北京中科院暑期学习资料汇总

授课老师及主题：

北 大 张志华——Introduction to Deep Reinforcement Learning

中科大 郭田德——Models and Algorithms for Data Re‐Representation

助教：北大 黎彧君、陈昱；国科大 刘彦

链接：

（1）参考文献汇总链接

<https://github.com/Xingbaji/Introduction_to_reinforcement_learning>

（2）助教黎彧君主页，里面有强化学习的部分算法<https://github.com/liber145/rlpack/tree/master/rlpack/algos>

课程参考文献：

近年强化学习论文列表

[Trust Region Policy Optimization](https://arxiv.org/pdf/1502.05477.pdf)

[Proximal Policy Optimization Algorithms](https://arxiv.org/pdf/1707.06347.pdf)

[Continuous Control With Deep Reinforcement Learning](https://arxiv.org/pdf/1509.02971.pdf)

[Soft Actor-Critic: Off-Policy Maximum Entropy Deep Reinforcement Learning with a Stochastic Actor](https://arxiv.org/pdf/1801.01290.pdf)

[Addressing Function Approximation Error in Actor-Critic Methods](https://arxiv.org/pdf/1802.09477.pdf)

[Rainbow: Combining Improvements in Deep Reinforcement Learning](https://arxiv.org/pdf/1710.02298.pdf)

[Imagination-Augmented Agents for Deep Reinforcement Learning](https://arxiv.org/pdf/1707.06203.pdf)

[Generalized Off-Policy Actor-Critic](https://arxiv.org/pdf/1903.11329.pdf)

[Fast Task Inference with Variational Intrinsic Successor Features](https://arxiv.org/pdf/1906.05030.pdf)

[Optimistic Policy Optimization via Multiple Importance Sampling](http://proceedings.mlr.press/v97/papini19a/papini19a.pdf)

[DeepMDP: Learning Continuous Latent Space Models for Representation Learning](https://arxiv.org/pdf/1906.02736.pdf)

[Hierarchical Reinforcement learning with Off-policy correction](https://arxiv.org/pdf/1805.08296.pdf)

[Learning by Playing – Solving Sparse Reward Tasks from Scratch](https://arxiv.org/pdf/1802.10567.pdf)

[Data-Efficient Hierarchical Reinforcement Learning](https://papers.nips.cc/paper/7591-data-efficient-hierarchical-reinforcement-learning.pdf)

[Diagnosing Bottlenecks in Deep Q-learning Algorithms](https://arxiv.org/pdf/1902.10250.pdf)

[Language as an Abstraction for Hierarchical Deep Reinforcement Learning](https://arxiv.org/pdf/1906.07343.pdf)

[Counterfactual Multi-Agent Policy Gradients](https://arxiv.org/pdf/1705.08926.pdf)

[Social Influence as Intrinsic Motivation for Multi-Agent Deep Reinforcement Learning](https://arxiv.org/pdf/1810.08647.pdf)

[Deep Q-Learning for Nash Equilibria: Nash-DQN](https://arxiv.org/pdf/1904.10554.pdf)

[Evolutionary Reinforcement Learning for Sample-Efficient Multiagent Coordination](https://arxiv.org/pdf/1906.07315.pdf)

[Mean Field Multi-Agent Reinforcement Learning](https://arxiv.org/pdf/1802.05438.pdf)

[Learning with opponent learning awareness](https://arxiv.org/pdf/1709.04326.pdf)

[Relational Deep Reinforcement Learning](https://arxiv.org/pdf/1806.01830.pdf)

[Meta-learning of Sequential Strategies](https://arxiv.org/pdf/1905.03030.pdf)

[Discriminator-Actor-Critic: Addressing Sample Inefficiency and Reward Bias in Adversarial Imitation Learning](https://openreview.net/pdf?id=Hk4fpoA5Km)